



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No.: 005288.00005)

In the Application of:)
Rahav Yairi)
Serial No.: 09/834,264)
Filed: April 12, 2001)
For: Method for Managing Multiple)
Dynamic E-Mail Alias)

)
Examiner: Ashok B. Patel
)
Group Art Unit: 2154
)

DECLARATION UNDER 37 C.F.R. §1.131

I, Rahav Yairi, declare as follows:

1. I am the inventor of claims 1-13 of the above-captioned patent application.
2. I am employed as a Senior Software Engineer by Nokia, Inc., the assignee of the entire right, title, and interest in the above-captioned patent application.
3. I understand that U.S. Patent Application Publication No. US 2002/0087641 A1, filed by Michael P. Levosky on December 29, 2000 ("the Levosky patent application"), has been cited against claims 1-13 of the above-captioned patent application.
4. I conceived of the invention disclosed and claimed in claims 1-13 of the above-captioned patent application before December 29, 2000, and, along with my patent attorneys, was diligent in the preparation of the above-captioned patent application up to the filing of same on April 12, 2001. The following facts evidence and support diligence from before December 29, 2000 until the filing of the above-captioned patent application:
 - a. On or before November 15, 2000, I described the invention in a standard Nokia invention disclosure document (copy attached hereto as Exh. A);
 - b. The invention disclosure document contains a description of the invention disclosed in the above-captioned patent application as

well as drawings that further support and describe the invention (see Exh. A);

- c. On November 15, 2000, the invention disclosure document was sent to one of my patent attorneys at Banner & Witcoff, Ltd., Mr. Bradley C. Wright (correspondence attached hereto as Exh. B);
- d. On January 17, 2001, one of my patent attorneys at Banner & Witcoff, Ltd., Mr. Charles L. Miller, sent me a draft of the above-captioned patent application (correspondence attached hereto as Exh. C);
- e. On February 2, 2001, one of my patent attorneys at Banner & Witcoff, Ltd., Mr. Charles L. Miller, sent me a draft of the figures of the above-captioned patent application (correspondence attached hereto as Exh. D);
- f. On or about February 8, 2001, my comments on the draft of the above-captioned patent application were provided to my patent attorneys at Banner & Witcoff, Ltd., Mr. Bradley C. Wright and Mr. Charles L. Miller (correspondence attached hereto as Exh. E);
- g. On March 12, 2001, one of my patent attorneys at Banner & Witcoff, Ltd., Mr. Bradley C. Wright sent me a revised draft of the above-captioned patent application (correspondence attached hereto as Exh. F);
- h. On or about March 22, 2001, my further comments on the draft of the above-captioned patent application were provided to my patent attorneys at Banner & Witcoff, Ltd., Mr. Bradley C. Wright and Mr. Charles L. Miller (redacted correspondence attached hereto as Exh. G);
- i. On April 11, 2001, a signed original Sole Declaration and Assignment for the above-captioned patent application were sent to one of my patent attorneys at Banner & Witcoff, Ltd., Mr. Bradley C. Wright (correspondence attached hereto as Exh. H); and

j. On April 12, 2001, the above-captioned patent application was filed in the United States Patent and Trademark Office.

5. The exchange of draft applications with my patent attorneys demonstrates diligence from before December 29, 2000 until the filing of the above-captioned patent application and the constructive reduction to practice of my invention

6. All acts described in this Declaration were performed in the United States.

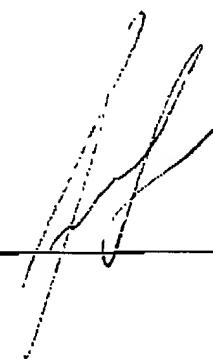
7. I declare further that all statements made herein are of my own knowledge and are true; that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like, so made, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this patent application or any patent issuing thereon.



Rahar Yairi

Dated:

2/10/05



Witness:

Dated:

2/10/05

Conflict sent

INVENTION REPORT

Title of invention: Method For Managing Multiple Dynamic E-mail Aliases		INVENTION REPORT RECEIVED	
		Code:	Patent Committee:
THE DESCRIPTION OF THE INVENTION MUST BE ATTACHED		Place:	Date:
		Signature:	
Inventor's name, employee number, title and nationality: *) Rahav Yairi, 10072820, Senior Software Engineer, Israeli	Home Address: *) 385 Massachusetts Ave. #49 Arlington MA 02474	Business Unit and cost centre: 71376910	
Line Manager(s): Alexander Ran			
Project : *)	Project Manager:		
Office address: *) 5 Wayside Road, Burlington MA 01803			
Phone: *) 781 993 ???	Fax: *) 781 993 1907		
The invention becomes public on:			
<i>I am/ We are the sole/ and original inventor(s) of this invention.</i>			
<i>The company may, by virtue of applicable legislation, be entitled to full or partial rights to the invention. I/ We acknowledge my/ our obligation to sign as inventor(s) all documents that may be required for protecting the invention in different countries.</i>			
Applicable to inventions made by inventors employed in FI, DK, DE and SE only. <i>Unless the inventor requests the Invention Report to be responded to within four (4) months from the date this Invention Report is received or such other period as the mandatory provisions of the applicable local law may otherwise require, the inventor consents to the right of the employer to use a reasonable period of time for the evaluation of the invention. A reasonable period of time may exceed four (4) months.</i>			
<input checked="" type="checkbox"/> <i>I/ We request that the Invention Report be responded to within four (4) months.</i>			
Date: Signature(s) of Inventor(s):			

*) See the instructions

INSTRUCTIONS FOR COMPLETING THE INVENTION REPORT

This Invention Report form is used in cases where an invention has been made by an employee of the Company. This Invention Report is confidential. Only the Patent Department may make copies of signed Invention Reports in order to request opinions or reply to the inventor(s).

The inventor completes the Invention Report and the description of the invention. The inventor does not fill in the 'Invention Report received' field. This field is filled in by the Patent Department. The Invention Report must have the names of all the inventors and their home addresses. If there is not enough space for all the names, addresses etc, please write them on a separate attachment. The first mentioned inventor is assumed to be the contact person in matters concerning the Invention Report. In the fields of office address, phone and fax, please fill in the contact person's information. Fill in the project field, if the invention is made in a project. The original Invention Report is signed by all inventors. Each page of the original Invention Report is signed by a Manager. In case it is difficult to obtain Manager's signature your Patent Department will take care of it.

It is suggested that the Invention Report and the description of the invention should be filled in as thoroughly as possible. If drawings or other kind of information cannot be attached to this form, they should be delivered separately.

The signed Invention Report is given directly to the local or business unit's Patent Department. Invention Report should also be sent by E-mail to the Patent Department. The Patent Engineer will inform the inventor of receiving the Invention Report. The Patent Engineer will obtain any expert opinions needed to properly evaluate the invention, will procure the Company's decision and inform the inventor accordingly.

DESCRIPTION OF THE INVENTION

Please, describe your invention in the following order. You can enclose the drawings on a separate document.

1. Field and background of the invention

Preserving e-mail privacy is difficult. Many of the services on the Internet require disclosing the user e-mail address (chat rooms, e-retailer, online brokers etc). There is no law preventing the service providers from trading the user information and typically after a short time the user is flooded with unsolicited e-mail messages a.k.a. "spam".

2. A summary of the invention

The invention provides a method by which the user can manage multiple e-mail aliases without the need to manage multiple inboxes. The method is based on a proxy that is attached to the user mail server. Users are registered with the proxy. For each user the proxy keeps records regarding the user aliases and the address of the user's inbox (typically attached to the private e-mail address).

The proxy will have a UI (for example a web interface) that will enable the user to manage his/her e-mail aliases. By this interface the user can create new e-mail aliases, remove existing aliases and retrieve the record associated with a specific alias. The user can also change the address of his/her private inbox. When the user needs to provide his/her e-mail address, the user contacts the proxy for a new alias. The user will give that alias to the service provider. E-mail messages coming to that address will be forwarded to the user's private inbox. If the user receive an unsolicited e-mail the user can query the proxy and detect when this e-mail was generated and for which service. The user then can decide whether to remove that alias and/or notify the original service provider.

When sending an email message, based on the intended receiver(s), the proxy will set the "Form" field to one of the existing aliases or will create a new one.

3. Describe the problem which the invention overcomes

The main problem the invention overcomes is the discomfort of dealing with unsolicited e-mail addresses. In addition the invention can be used for other purposes e.g. attach different policies to different e-mail accounts. For example, it is common to use the automated reply when the user is on vacation, however, this option is undesirable when the sender is a mailing list or when the message was sent to a distribution list.

The proxy can also be used in the context of a unified message system. For example the user can decide which e-mail messages should be forward to his/her mobile device based on the e-mail address used by the sender.

4. How was the problem solved earlier?

The user can create multiple e-mail accounts. This option is available especially when dealing with free e-mail providers like yahoo, hotmail or CNN. However each e-mail account maintains its own inbox meaning the user needs to check all those inboxes for received messages. Also there is no mechanism for managing the different accounts.

Anonymous e-mail providers forward e-mail messages to the user's private inbox but do not provide the user with a UI for managing the generated aliases.

E-mail providers such as yahoo have some protections against unsolicited e-mails, it based on storing all suspicious e-mails in a separate folder. This is only a partial solution since the user still needs to access the folder and explicitly remove the messages.

Some mail servers (like Nokia) filter messages from certain domains. This is ineffective method because it is very easy to hide the real sender and because some of sender of unsolicited e-mails use very common domain such as yahoo.com

5. How does the invention improve earlier solutions? Advantages and disadvantages of the invention?

The invention allows the user to delete e-mail aliases that are used for "spam". That means that subsequent e-mail messages sent to that address will "bounce" back. The invention allows the user to see who trades his/her e-mail addresses and to whom.

6. Brief description of the drawings (Please enclose drawings and figures of the invention on a separate document)

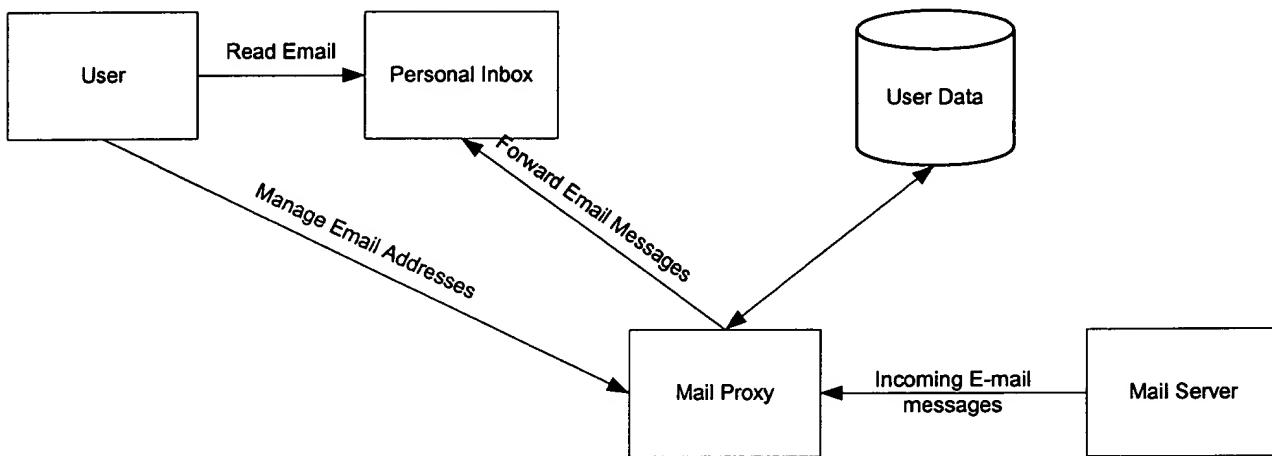


Figure 1: Basic Architecture

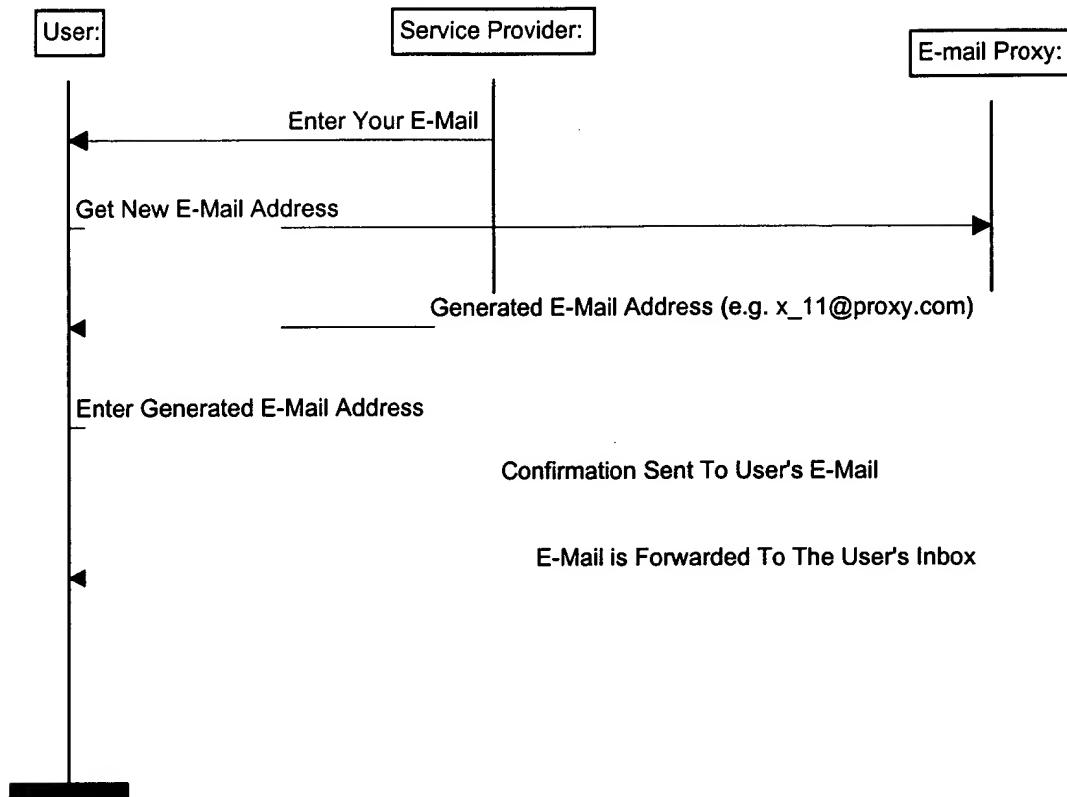
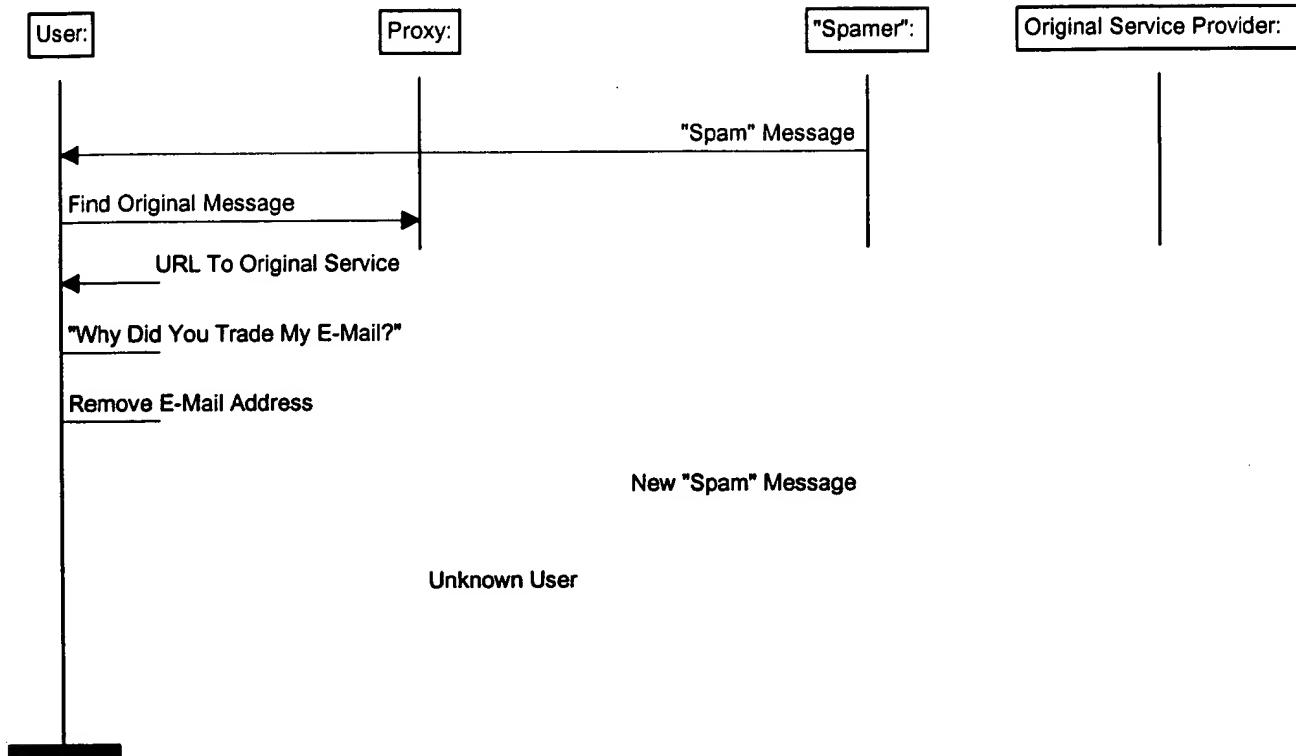


Figure 2: Creating a New E-mail Address

The proxy can archive E-mail messages or forward them immediately.

**Figure 3: Receiving “Spam”****12. Any further comments**

From: Bradley Wright
To: wayne.demello@nokia.com
Date: 11/20/00 7:34PM
Subject: Re: New Nokia cases: NC17375, NC30543, NC30545, NC30552

Wayne,

Chris Glemboki of our Washington DC office will be drafting NC 30545, and we will be able to file it before the end of the year. His direct dial telephone number is 202-508-9184, and his e-mail is glemboki@bannerwitcoff.com. We should have a draft to the inventor by mid-December.

12-16
The other 3 cases are in the process of being assigned, and I will let you know within the next few days the attorney and schedule. Because of the holidays and year-end rush of applications, we may need to carry one or more of the remaining 3 applications over to the beginning of January.

Brad

Bradley C. Wright
Banner & Witcoff, Ltd.
1001 G Street, N.W.
Washington, D.C. 20001
202-508-9160
202-508-9299 (fax)
wright@bannerwitcoff.com
www.bannerwitcoff.com

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>>> <wayne.demello@nokia.com> 11/15/00 04:26PM >>>
<<NC17375.doc.pgp>> <<NC30543.doc.pgp>> <<NC30545A.doc.pgp>>
<<NC30545B.bmp.pgp>> <<NC30545C.bmp.pgp>> <<NC30552.doc.pgp>> <<US
InstructionsToOutsideAttorney.doc>> <<Wayne DeMello.asc>>

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TEL: 312.715.1000
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www.bannerwitcoff.com

January 17, 2001

VIA FACSIMILE

Rahav Yairi
Nokia
5 Wayside Road
Burlington, MA 01813

Re: Draft of New U.S. Patent Application
Entitled "**METHOD FOR MANAGING MULTIPLE DYNAMIC E-MAIL ADDRESSES**"
Your Reference No.: NC 17375
Our Reference No.: 5288.00005

Dear Rahav:

Enclosed for your review is the above-identified patent application. Please review the application carefully to ensure that it is accurate, and that it complies with the patent law requirements of:

- (1) enablement (it includes enough information so that a person of ordinary skill in the art, such as a software engineer, could make and use the invention);
- (2) best mode (it discloses any "tricks" or special techniques that you believe makes the invention work better); and
- (3) the claims appearing at the end of the application particularly point out the inventive features.

Feel free to call me if you have any questions in this regard.

In order to infringe a patent, an infringer must perform all of the steps or features appearing in at least one of the claims. In this respect, there are five independent claims (claims 1, 3, 7, 9 and 10), which are the broadest and most likely to be infringed. Please review these claims carefully to see if an accused infringer could avoid infringement by leaving out a feature or part of a step. (The claims must be specific enough, however, that they do not describe what has already been done by others).

Rahav Yairi
Nokia
5288.00005
Page 2

All other claims are “dependent” claims, meaning that they include all of the features of the parent claim to which they refer, and thus are narrower than the independent claims. It is important to include such claims in order to save parts of the patent if the broadest claims are ultimately determined to be unpatentable or invalid.

Please contact me as soon as possible with any changes to the application.

If you have any questions or comments, please feel free to contact me.

Sincerely,



Charles L. Miller

CMI/nw
Enclosure(s)

cc: Wayne DeMello



BANNER & WITCOFF, LTD.
INTELLECTUAL PROPERTY LAW

120 SOUTH WACKER DRIVE, SUITE 3000
CHICAGO, IL 60606-7407

TEL: 312.715.1000
FAX: 312.715.1234
www.bannerwitcoff.com

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To:	FROM:
Rahav Yairi	Charles L. Miller
COMPANY:	DATE:
Nokia	January 17, 2001
FAX NUMBER:	TOTAL NO. OF PAGES:
781-993-1907	20
RE:	OUR REFERENCE No.:
NC 17375	5288.00005
<i>If you do not receive all page(s) or have any problems receiving this transmission, please call:</i>	
NAME:	PHONE:
Nicki Wagner	312-715-1000 X3547
COMMENTS:	

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WASHINGTON, D.C.

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AS OF JAN 17 2001 17:18 PAGE.01

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TEL: 312.715.1000
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www.bannerwitcoff.com

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To:	FROM:
Wayne DeMello	Charles L. Miller
COMPANY:	DATE:
Nokia	February 2, 2001
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RE:	OUR REFERENCE No.:
NC 17375	5288.00005
<i>If you do not receive all page(s) or have any problems receiving this transmission, please call:</i>	
NAME:	PHONE:
Nicki Wagner	312-715-1000 X3547
COMMENTS:	

*Faxed Figures 1-4
on above date*

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AS OF FEB 02 2001 12:06 PAGE.01

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Charles Miller - comments on Nokia draft

From: Bradley Wright
To: Miller, Charles
Date: 2/8/2001 10:37 AM
Subject: comments on Nokia draft
CC: Pease, Pamela Beth

Chuck, attached are comments from inventor and Wayne DeMello on the draft application (NC 17375). Please revise, prepare formal papers, and return to me for encryption/forwarding to Nokia.

Thanks, Brad

Charles Miller - FINAL DRAFT NC17375

From: Bradley Wright
To: wayne.demello@nokia.com
Date: 3/12/2001 4:50 PM
Subject: FINAL DRAFT NC17375
CC: Miller, Charles

Wayne, attached are final documents for above referenced case. If everything is in order, please have inventor sign dec/assignment and return to us for filing.

Best regards, Brad

Bradley C. Wright
Banner & Witcoff, Ltd.
1001 G Street, N.W.
Washington, D.C. 20001
202-508-9160
202-508-9299 (fax)
wright@bannerwitcoff.com
www.bannerwitcoff.com

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Brad,

The following are comments from the inventor for Chuck Miller. Please contact the inventor as necessary, create a final version, and return to me.

Regards,
Wayne

Wayne DeMello
Nokia Inc.
Intellectual Property Rights Dept.
5 Wayside Road
Burlington, MA 01803

Office: 781.993.4636
Mobile: 617.966.0497
Fax: 781.993.1981
Email: wayne.demello@nokia.com

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-----Original Message-----

From: Yairi Rahav (NRC/Boston)
Sent: Thursday, March 22, 2001 7:11 PM
To: DeMello Wayne (Nokia-IPR/Boston)
Subject: patent NC17375

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NOKIA

BCW

Intellectual Property Rights
Karen DeBenedetto
5 Wayside Road
Burlington, MA 01803

Phone: 781.993.3905
Fax: 781.993.1981
e-mail: karen.debenedetto@nokia.com

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10 April 2001

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BANNER & WITCOFF LTD.

Brad Wright
Banner & Witcoff, Ltd.
1001 G Street, N.W.
Washington, DC 20001

Reference: Your Reference: 05288.00005

Our Reference: NC 17375 "Method for Managing Multiple Dynamic E-Mail Aliases

Brad:

Attached please find the signed original Sole Declaration and true copy of the Assignment to file with the above referenced US patent application.

Please also note the inventor, Rahav Yairi, has moved. We have updated the paperwork to reflect that change.

If you have any questions please give me a call.

Regards,

Karen DeBenedetto
Karen DeBenedetto
Patent Assistant
Nokia House/Boston

Brad:

Please note we changed the Assignment to Nokia, Inc. in the US.